

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald J. Melvin, Environmental Specialist

AREA: Anderson Island

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved

ACTIVITIES IN THE GROWING AREA IN 2005:

The Anderson Island growing area was expanded in 2005 to include the Thompson Cove and Balch Passage growing areas and the eastern portion of the Drayton Passage growing area. A shoreline survey of the "unclassified" portions around Anderson Island was completed in 2005. Except for stations 260 through 263 where only three samples were collected, samples were collected a minimum of 6 times from each station during the year using the systematic random sampling method.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard. Station #269 is of concern due to water quality

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☒ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **Anderson Island**Classification: **Approved**From **08/03/1999** To **12/19/2005****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
260	Approved	30	1.7 - 23.0	2.3	4.0	Yes
261	Approved	30	1.7 - 33.0	2.8	7.0	Yes
262	Approved	30	1.7 - 13.0	2.1	3.0	Yes
263	Approved	30	1.7 - 13.0	2.0	3.0	Yes
264	Approved	44	1.7 - 17.0	2.5	6.0	Yes
265	Approved	44	1.7 - 49.0	2.3	5.0	Yes
268	Approved	44	1.7 - 7.8	2.0	3.0	Yes
269	Approved	43	1.7 - 350.0	4.4	20.0	Yes
270	Approved	44	1.7 - 350.0	3.6	16.0	Yes
273	Approved	51	1.7 - 17.0	2.1	4.0	Yes
280	Approved	37	1.7 - 22.0	2.2	4.0	Yes
281	Approved	37	1.7 - 33.0	2.5	7.0	Yes
282	Approved	37	1.7 - 9.3	2.0	3.0	Yes
283	Approved	37	1.7 - 2.0	1.7	1.0	Yes
284	Approved	37	1.7 - 4.5	2.0	3.0	Yes
599	Approved	46	1.7 - 23.0	1.8	3.0	Yes
621	Approved	41	1.7 - 240.0	2.8	10.0	Yes
622	Approved	41	1.7 - 23.0	2.2	4.0	Yes
623	Approved	40	1.7 - 17.0	2.2	4.0	Yes
624	Approved	41	1.7 - 17.0	1.9	3.0	Yes
625	Approved	41	1.7 - 350.0	2.1	6.0	Yes
626	Approved	40	1.7 - 240.0	2.5	8.0	Yes
627	Approved	41	1.7 - 170.0	2.5	8.0	Yes
628	Approved	41	1.7 - 79.0	2.6	7.0	Yes
629	Approved	40	1.7 - 350.0	2.8	10.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

† All samples have been verified.



TN 18°